

FIG. 1

The diagram illustrates a network architecture. A central oval labeled 'INTERNET' (1) is connected to several components: a 'RESERVATION DATA BASE' (8) via a horizontal line (9); a 'LIVE CASTING SERVER' (7); a 'COMMUNICATION SERVER' (6); a 'STREAMING SERVER' (5); a 'SERVER-CONNECTION NETWORK' (10); and a 'TELEPHONE NETWORK' (2). The 'SERVER-CONNECTION NETWORK' (10) is also connected to a 'TELEPHONE NETWORK' (2). Client devices are connected to the 'INTERNET' (1) via lightning bolt symbols: a desktop computer (4-1), a laptop (4-2), another laptop (4-3), and a mobile phone (26). Ellipses (...) indicate additional client devices.

FIG. 2A

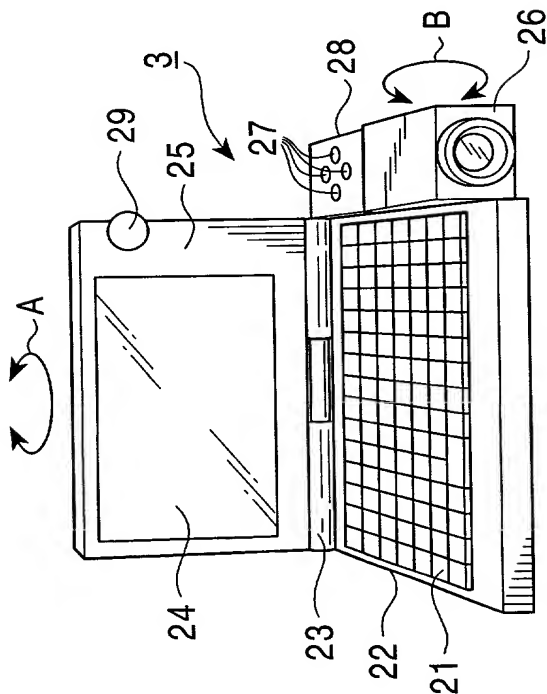


FIG. 2C

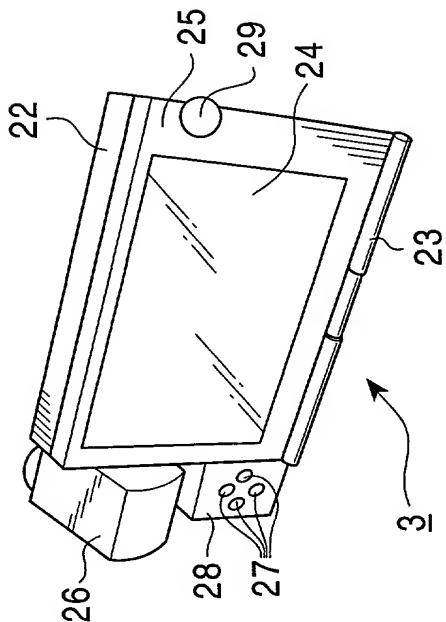


FIG. 2B

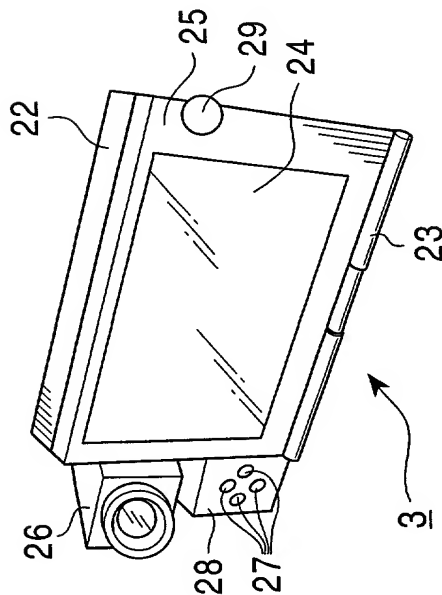


FIG. 2D

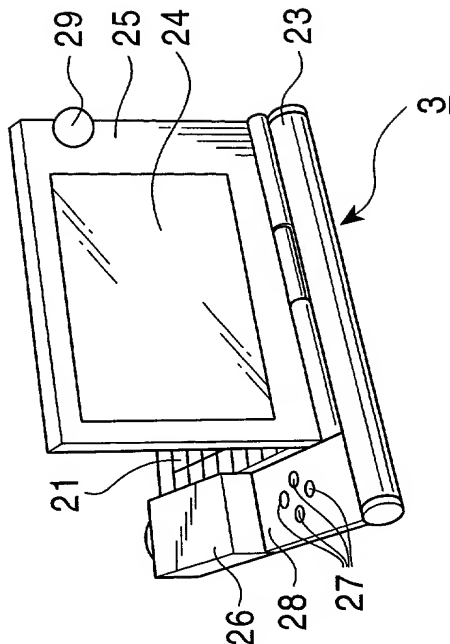


FIG. 3

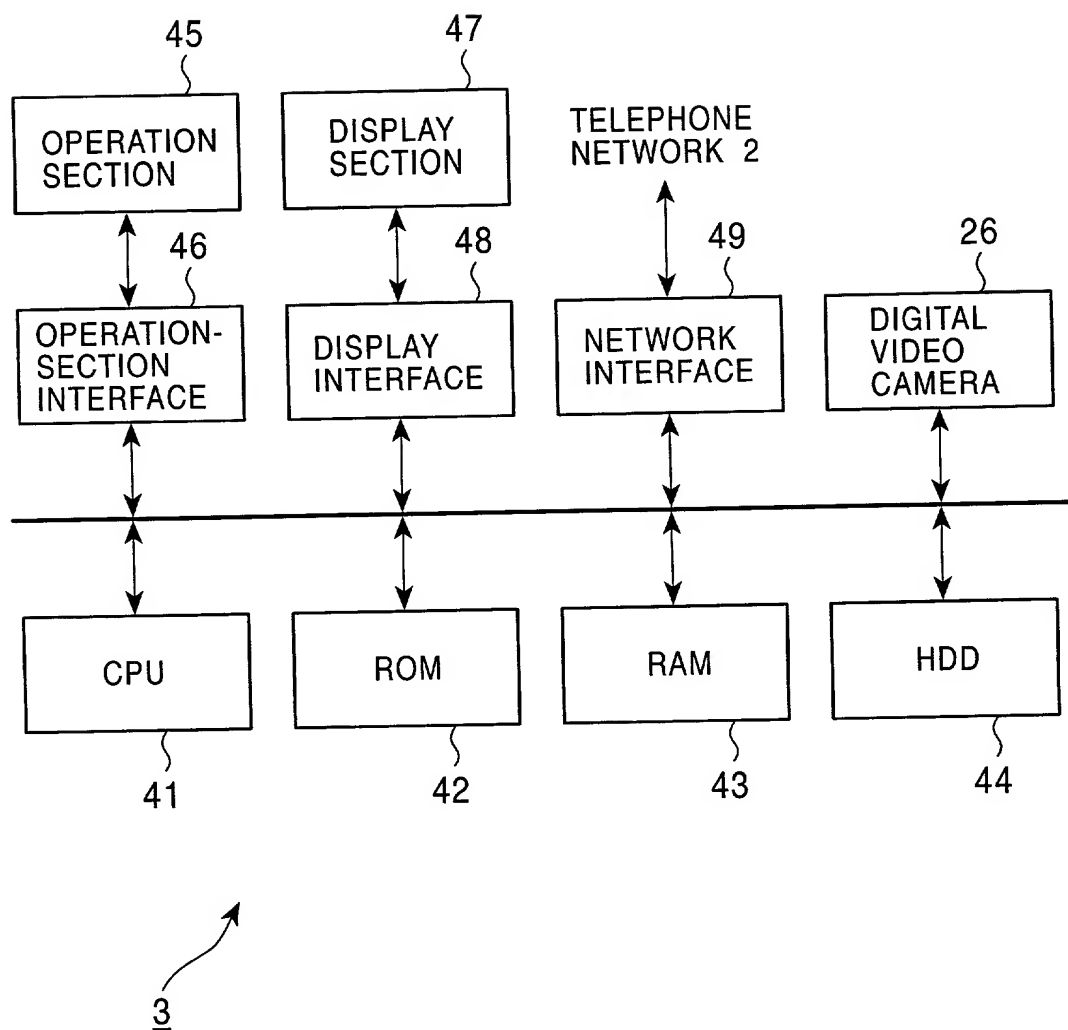


FIG. 4

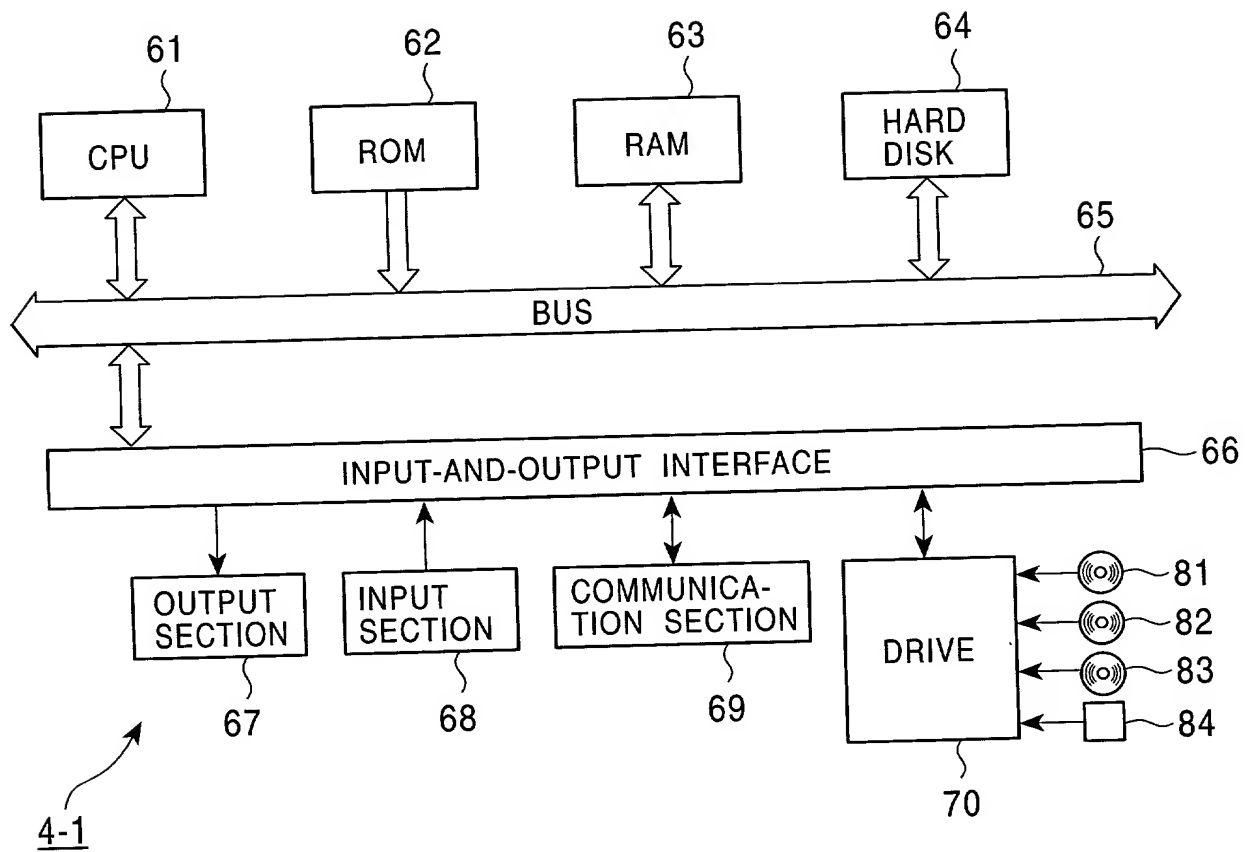


FIG. 5

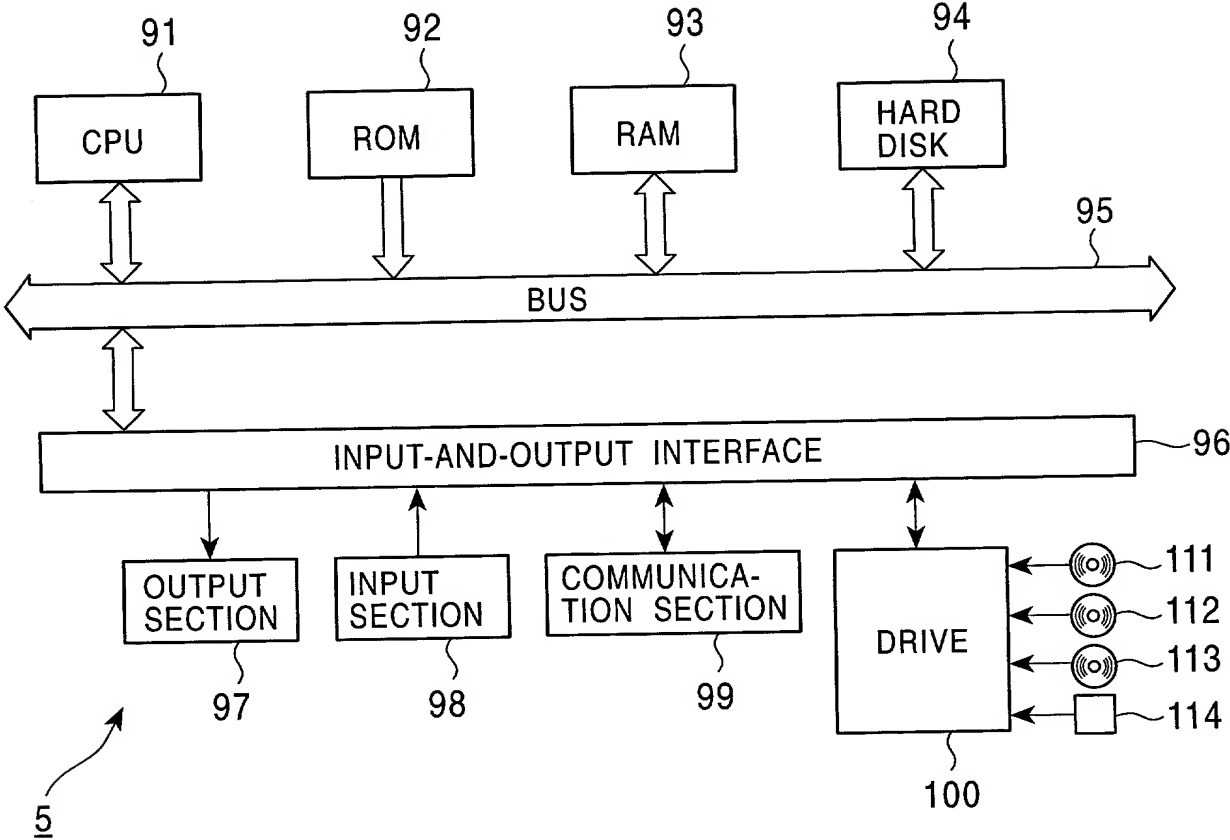


FIG. 6

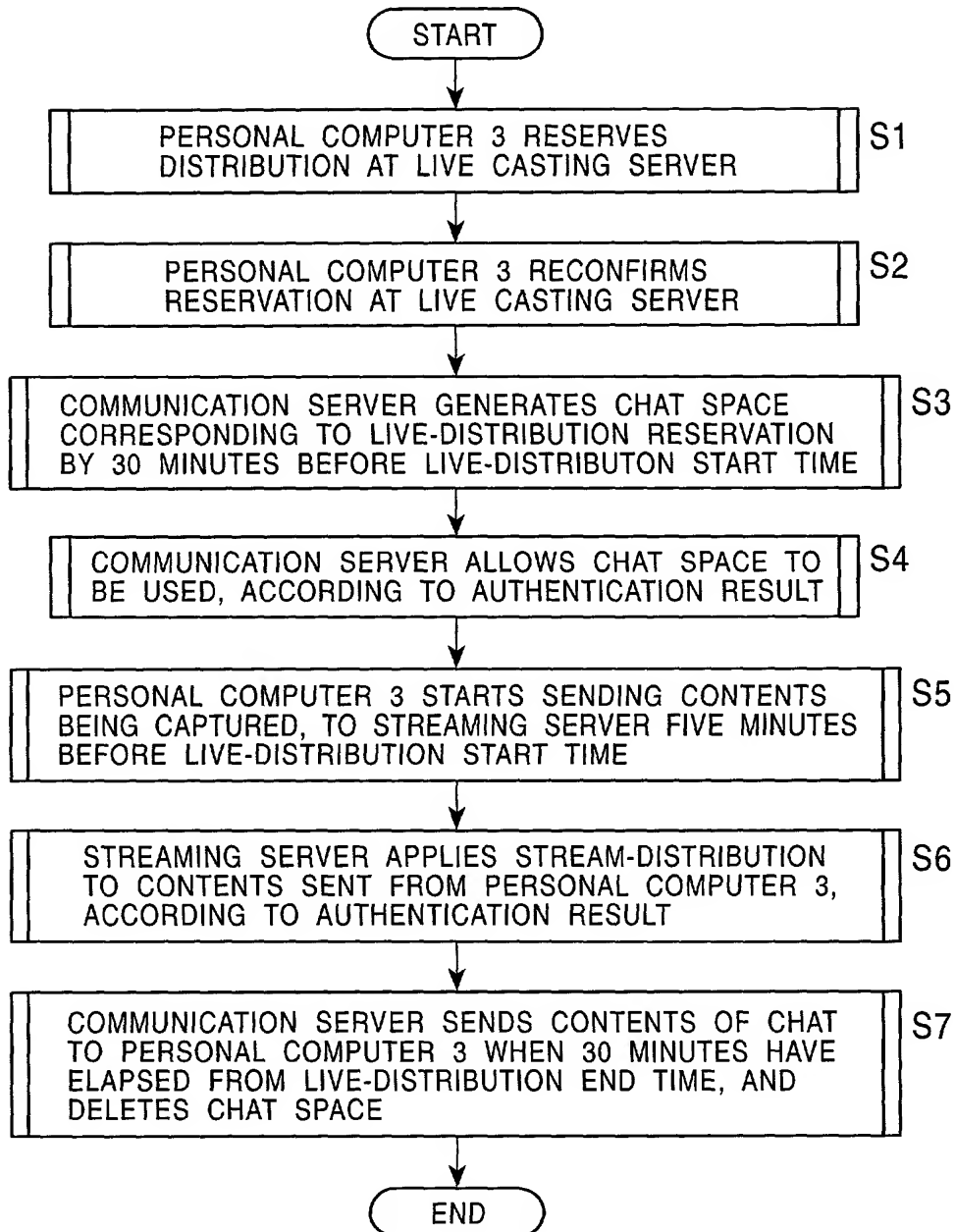


FIG. 6

FIG. 7

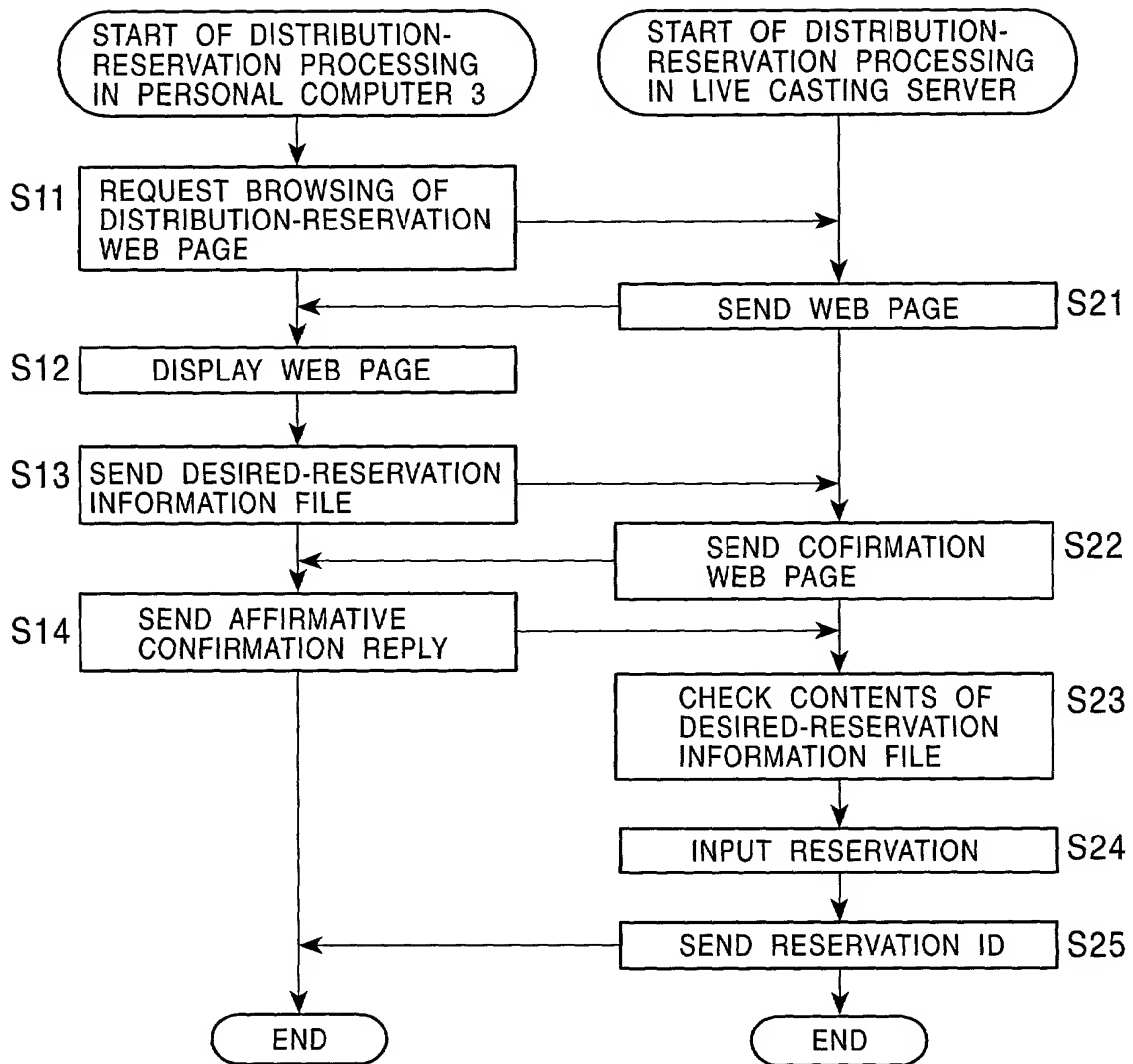


FIG. 8

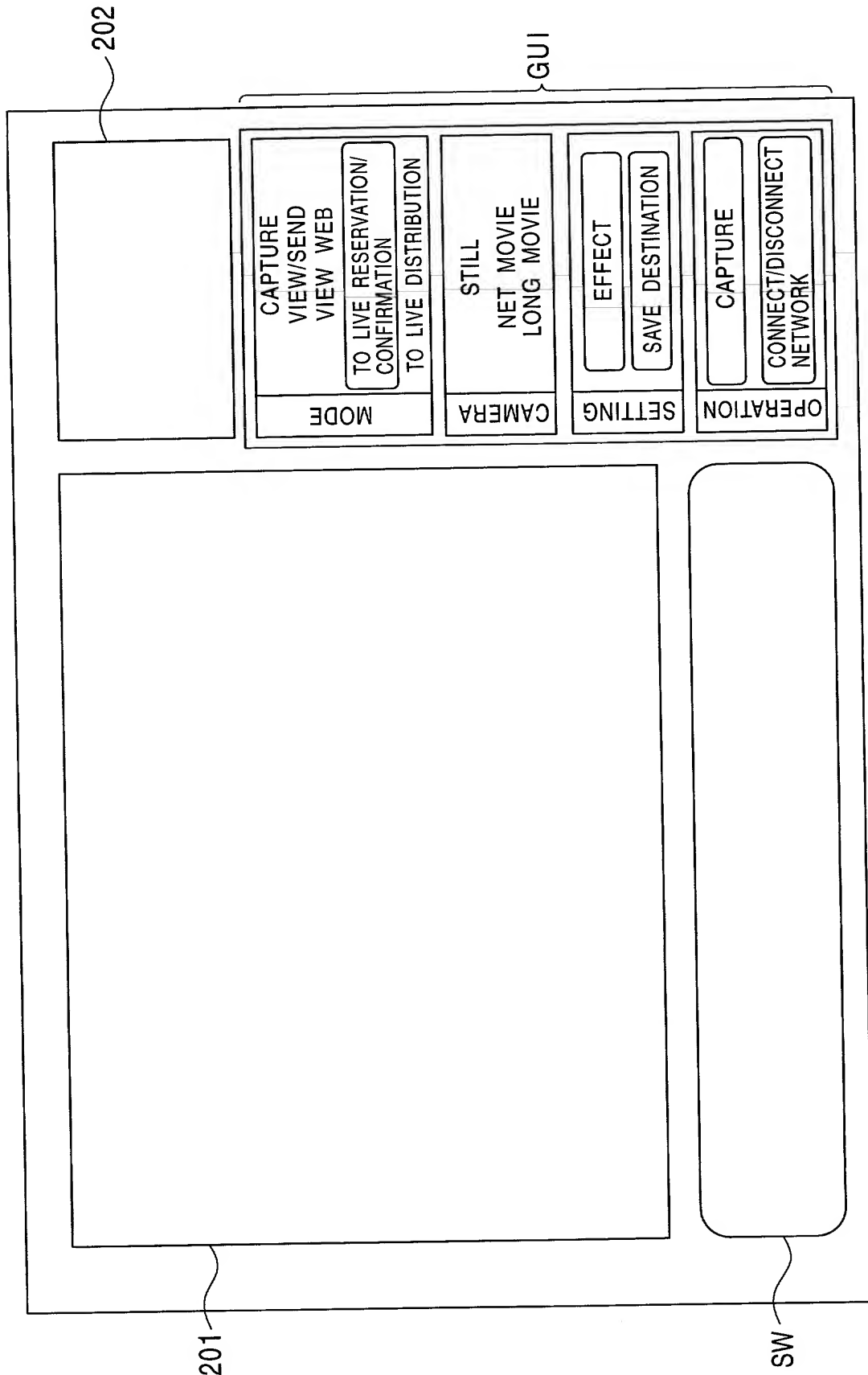


FIG. 9A

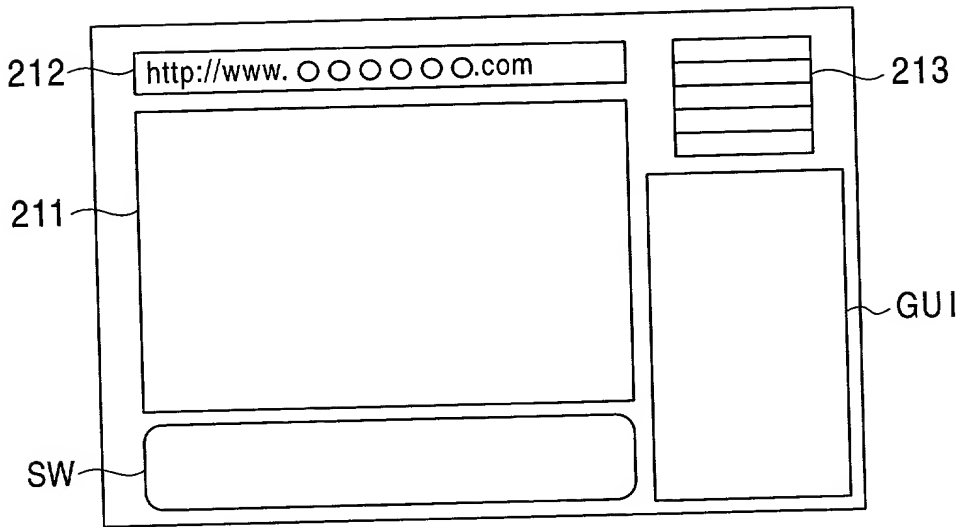
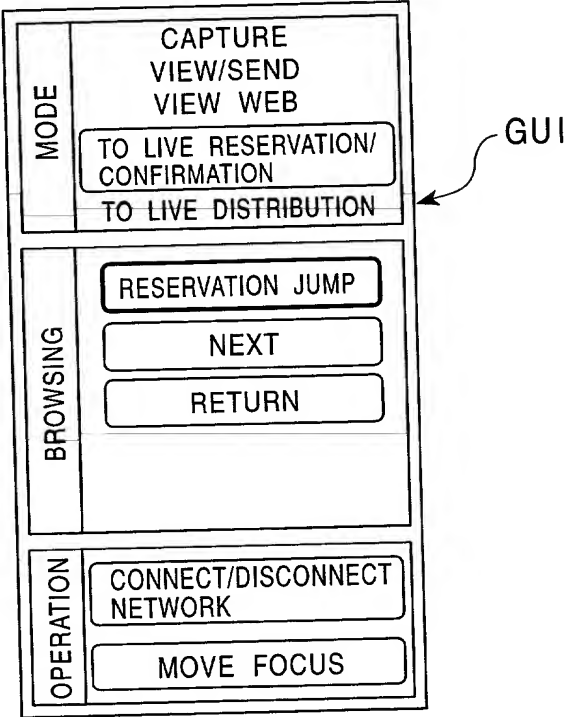


FIG. 9B



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FIG. 10

JULY
2000

SUN	MON	TUE	WED	THU	FRI	SAT
			5	6	7	1
2	3	4				8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

CH NO.	CAPACITY	TRANSFER BAND	CHARGE	6:00	12:00	18:00	24:00
1	5	28.8	¥1,000	FULL	VA-CANT	FULL	VA-CANT
2	10	28.8	¥2,000	VACANT			FULL
3	15	64	¥3,000	VA-CANT	FULL	VA-CANT	FULL
4	50	64	¥10,000	VACANT	FULL	VACANT	FULL
5	100	64	¥15,000	FULL			VA-CANT
6	150	64	¥20,000	VACANT	FULL	VA-CANT	FULL
7	1,000	64	¥50,000	VACANT	FULL		VACANT

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- CHANNEL: CHANNEL 1 (UP TO FIVE PERSONS)
- RESERVATION DATE AND TIME: JULY 5, 15:00-17:00
- ACCESS LEVEL: PUBLIC, PASSWORD (SHARED PASSWORD), SECRET ()
- LIVE TITLE: XXXX
- GENRE: MUSIC
- ACCESS TO ELECTRONIC MAIL: YES NO
- ACCESS TO WEB: YES (URL) NO
- PASSWORD FOR DISTRIBUTION: XXXX
- LIST OF FRIENDS
 - E-MAIL ADDRESS (ADDRESS OF PERSONAL COMPUTER 4-1)
 - (ADDRESS OF PERSONAL COMPUTER 4-2)
 - (ADDRESS OF PERSONAL COMPUTER 4-3)
- OUTLINE: UP TO 20 CHARACTERS
- DETAILS: UP TO 200 CHARACTERS

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RESERVE

CANCEL

~ 235

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FIG. 11

- USER ID: ○○○○
- CHANNEL: CHANNEL 1 (UP TO 5 PERSONS)
- RESERVATION DATE AND TIME: JULY 5, 15:00-17:00
- ACCESS LEVEL: PASSWORD(SHARED ADDRESS)
- LIVE TITLE: XXXX
- GENRE: MUSIC
- ACCESS TO ELECTRONIC MAIL: YES NO
- ACCESS TO WEB: YES (URL) NO
- PASSWORD FOR DISTRIBUTION: XXXX
- LIST OF FRIENDS
 - E-MAIL ADDRESS (ADDRESS OF PERSONAL COMPUTER 4-1)
 - (ADDRESS OF PERSONAL COMPUTER 4-2)
 - (ADDRESS OF PERSONAL COMPUTER 4-3)
- OUTLINE: UP TO 20 CHARACTERS
- DETAILS: UP TO 200 CHARACTERS

CHARGE: ¥XXXXX

IN ADDITION TO THIS CHARGE, COMMUNICATION
BUSINESS PARTY SEPARATELY DEMANDS PAYMENT
FOR TELEPHONE FEE FOR CALLS TO ACCESS PORT.

△△△@○○○.com

- CONFIRM THAT ABOVE E-MAIL ADDRESS IS CORRECT.
- RESERVATION ID WILL BE SENT TO ABOVE E-MAIL ADDRESS.
- WHEN OBTAINING RESERVATION ID, RECONFIRM IT AT MY CHANNEL
BY TIME SIX HOURS BEFORE CASTING.
- IF YOU DO NOT RECONFIRM, RESERVATION IS CANCELED.

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CONFIRM

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CANCEL

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FIG. 12

RESERVATION CONTENTS	USER ID	SHARED PASSWORD	RESERVATION ID
<ul style="list-style-type: none"> • DATE: 000 00 TIME: Δ□ TO □Δ • 2CH • 64 kbps ⋮ 	0000	X X X X	X X X X
<ul style="list-style-type: none"> • DATE: ΔΔΔ XX TIME: OX TO OΔ • 4CH • 28.8 kbps ⋮ 	X Δ 0 0	X □ X □ X	Δ Δ Δ Δ

FIG. 13

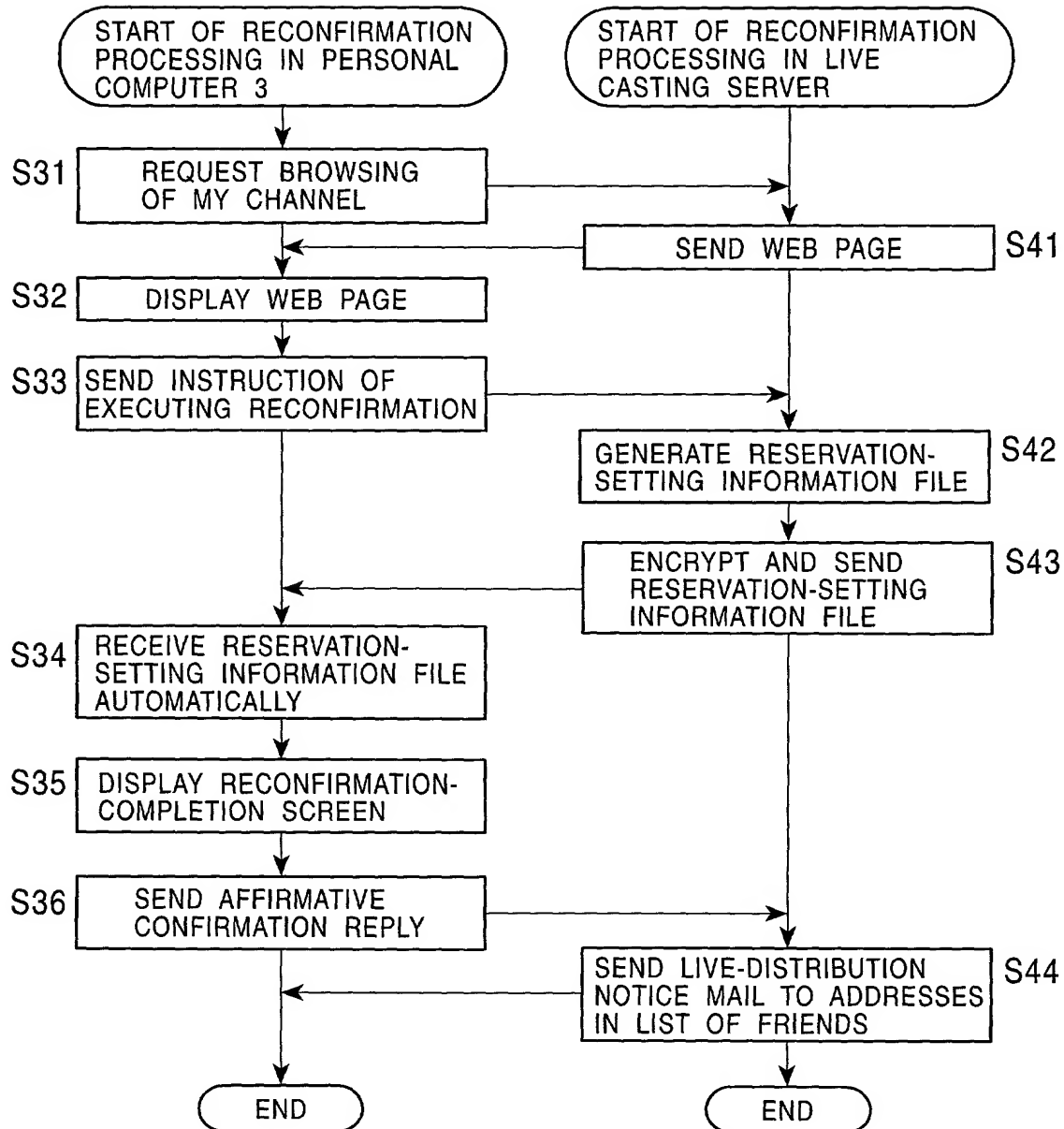


FIG. 14

WELCOME TO PERSONAL CASTING WORLD

- LOG IN
USER ID:
PASSWORD:
- MEMBER REGISTRATION
- WHAT IS PERSONAL CASTING TV?
- TODAY'S LIVE
- PROGRAM GUIDE
- MY CHANNEL
- LIVE DISTRIBUTION RESERVATION
- PROGRAM PICKUP
- IMAGE STATION

FIG. 15

MY CHANNEL

RESERVATION LIST  251

RESERVATION DATE AND TIME, CHANNEL, TITLE,
WAITING FOR RECONFIRMATION, CANCEL

TO CHANGE DATE AND TIME OR CHANNEL, CANCEL
THIS RESERVATION AND MAKE NEW RESERVATION.

NUMBER OF VIEWERS ~ 252

YOU CAN SEE THE NUMBERS OF VIEWERS IN LIVE
PROGRAMS DISTRIBUTED SO FAR.

CHANGING REGISTERED-INFORMATION FILE ~ 253

YOU CAN CHANGE YOUR USER INFORMATION.

OK

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FIG. 16

- USER ID: ○ ○ ○ ○
- CHANNEL: CHANNEL 1 (UP TO 5 PERSONS)
- RESERVATION DATE AND TIME: JULY 5, 15:00-17:00
- ACCESS LEVEL: PASSWORD (SHARED ADDRESS)
- LIVE TITLE : XXXX
- GENRE: MUSIC
- ACCESS TO ELECTRONIC MAIL: YES NO
- ACCESS TO WEB: YES (URL) NO
- PASSWORD FOR DISTRIBUTION: XXXX
- LIST OF FRIENDS
 - E-MAIL ADDRESS (ADDRESS OF PERSONAL COMPUTER 4-1)
 - (ADDRESS OF PERSONAL COMPUTER 4-2)
 - (ADDRESS OF PERSONAL COMPUTER 4-3)
- OUTLINE: UP TO 20 CHARACTERS
- DETAILS: UP TO 200 CHARACTERS

RESERVATION ID

- INPUT RESERVATION ID SENT BY E-MAIL.
- TO CHANGE DATE AND TIME OR CHANNEL, CANCEL THIS RESERVATION AND MAKE NEW RESERVATION.
- PRESS RECONFIRM BUTTON TO AUTOMATICALLY REGISTER PC-CONNECTION SETTING. BE SURE TO DO THAT AT APPROPRIATE PC.

251

RECONFIRM

RETURN

FIG. 17

RESERVATION ID: ○ ○ ○ ○

LIVE-DISTRIBUTION RESERVATION DATE AND TIME:
2000:07:05:15:00:00-2000:07:05:17:00:00

SERVER-CONNECTION ALLOWED TIME:
2000:07:05:14:55:00-2000:07:05:17:05:00

TELEPHONE NUMBER FOR CONNECTION
BUSINESS PARTY 01: 03-1234-5670
BUSINESS PARTY 02: 03-1234-5671
BUSINESS PARTY 03: 03-1234-5672
BUSINESS PARTY 04: 03-1234-5673

INFORMATION OF CONNECTION-DESTINATION SERVER
SERVER TYPE: RealServer5
SERVER NAME: LiveServer.com
CONNECTION PORT: 555
STREAM PATH TO SERVER: /channell/stream.rm

SERVICE-REQUEST-DESTINATION ADDRESS INFORMATION:
rtsp://liveserver.com:554/cannell/stream.rm

TRANSFER BAND: 28.8 kbps

LIVE TITLE : XXXX


OUTLINE: - - - - -

ACCESS LEVEL: - - - - -

FRIENDS-LIST ADDRESS INFORMATION
LIST 01: ADDRESS OF PERSONAL COMPUTER 4-1
LIST 02: ADDRESS OF PERSONAL COMPUTER 4-2
LIST 03: ADDRESS OF PERSONAL COMPUTER 4-3

SHARED PASSWORD: XXXXX

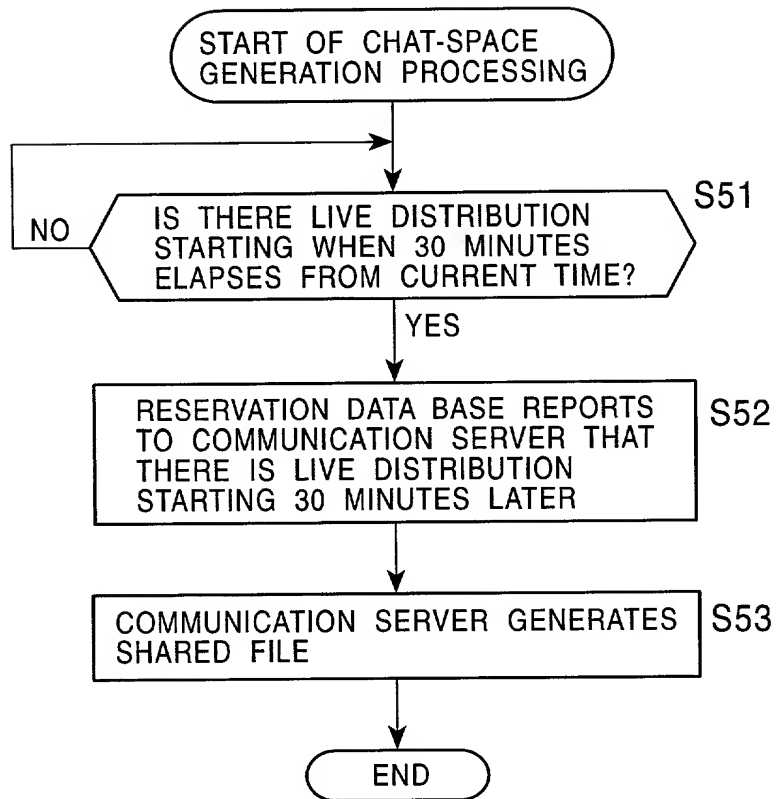
FIG. 18

SENDER: PERSONAL CASTING SERVICE
DATE AND TIME: 17:15 ON JULY 3, 2000
DESTINATION ADDRESS: ΔΔ@XX.co.jp
TITLE: NOTICE OF LIVE DISTRIBUTION
ATTACHMENT: 

○○○'S (USER NAME) LIVE DISTRIBUTION WILL BE PERFORMED AS FOLLOWS:

- DISTRIBUTION DATE AND TIME: 15:00 TO 17:00 ON JULY 5
- LIVE TITLE: XXXX
- SERVICE-REQUEST-DESTINATION ADDRESS: rtsp://liveserver.com:554/channell/stream.rm
- SHARED PASSWORD: XXXXXX
- RESERVATION ID: XXXX

FIG. 19



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FIG. 20

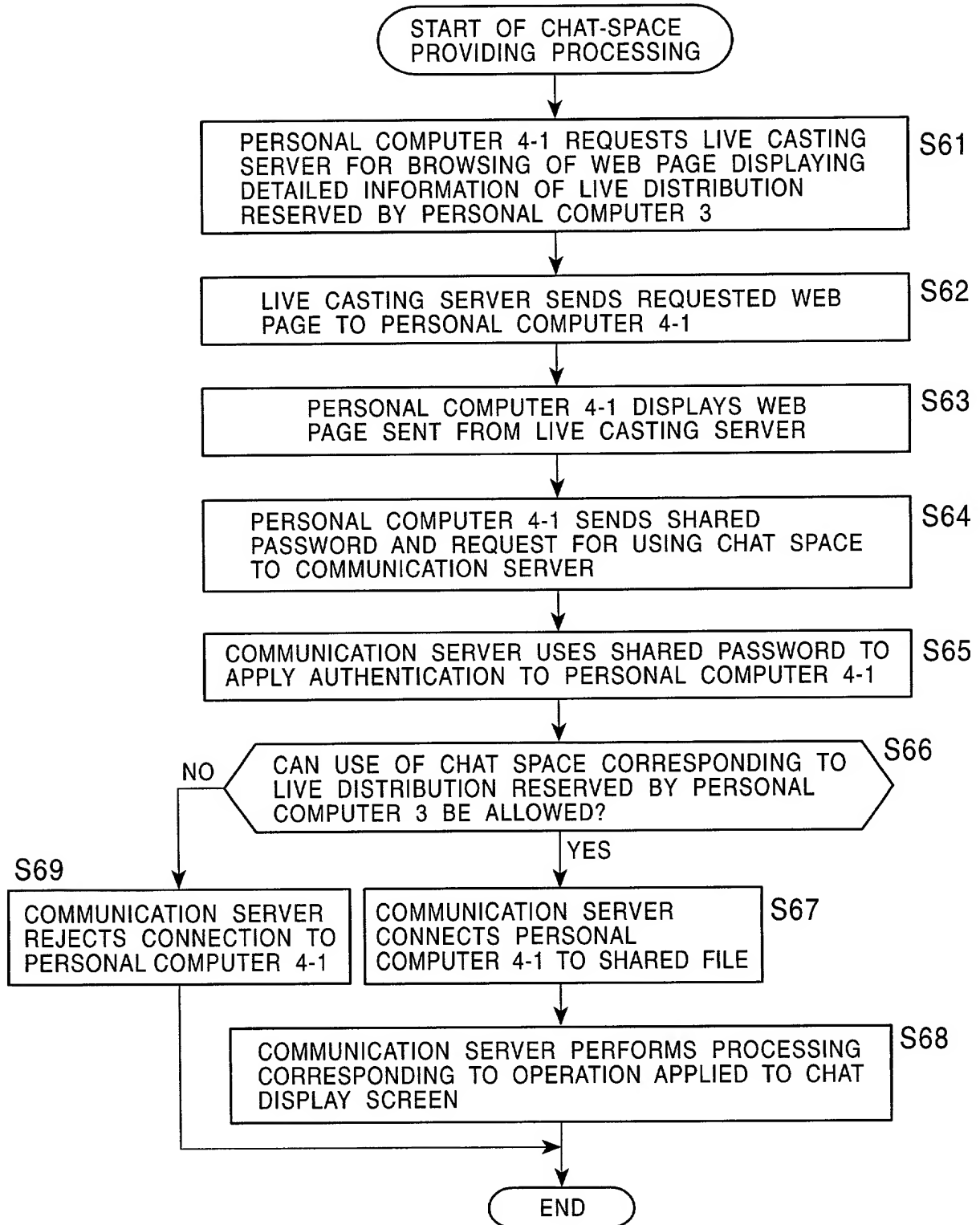


FIG. 21

CURRENT TIME 15:08 (FOR SERVICE)

GENRE: ROCK MUSIC

LIVE TITLE: ○○○○

SENDER (MAIL ADDRESS): △△△@xx.com

WEB SITE: <http://www.△○△xxx.com>

CAPACITY: 50 PERSONS

CLOSE OR OPEN

OUTLINE

.....
.....

DETAILS

.....
.....

RESERVATION ID:

SHARED-PASSWORD INPUT:

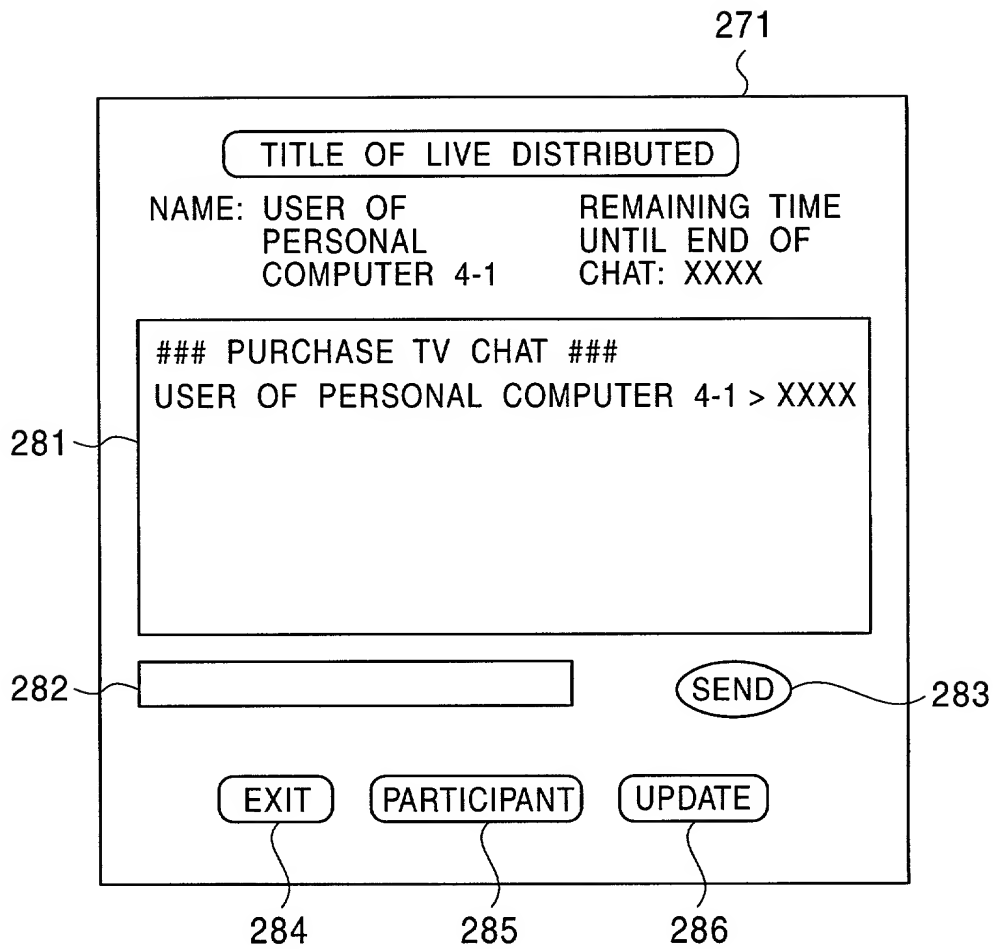
~ 261

CLICK TO DOWNLOAD

NOTE: PLAYER SOFTWARE IS NECESSARY
TO VIEW THE FILE

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FIG. 22



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FIG. 23

A screenshot of a window titled "CHAT-SPACE USE CONDITION" with a close button (X) in the top right corner. The window contains a list of users:

- USER OF PERSONAL COMPUTER 3
- USER OF PERSONAL COMPUTER 4-2
- * USER OF PERSONAL COMPUTER 4-1

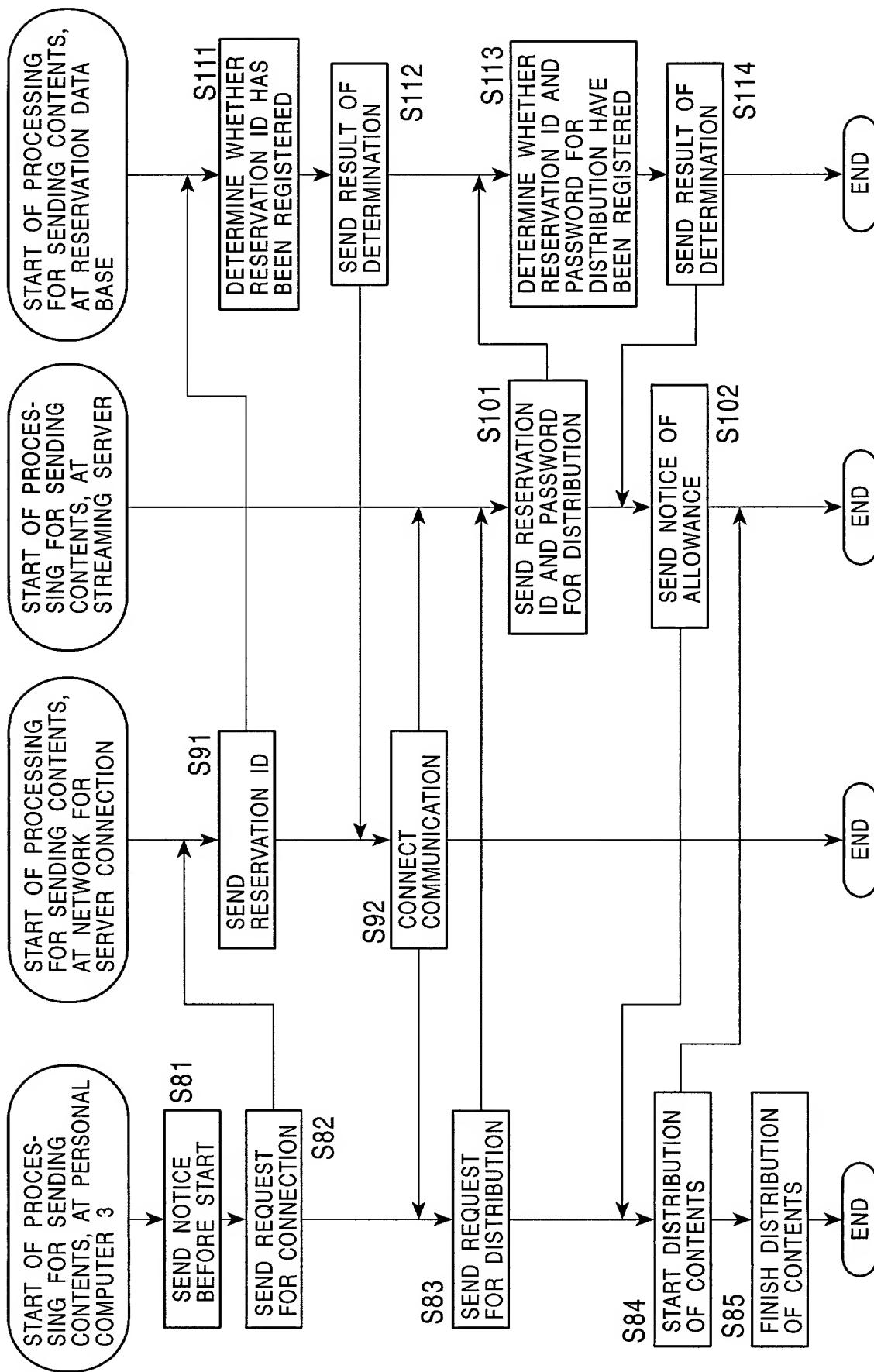
FIG. 24

A screenshot of a window titled "WHISPERING WINDOW" with a close button (X) in the top right corner. The window contains the following elements:

- RECEIVER: USER OF PERSONAL COMPUTER 4-2
- A large rectangular text input area.
- A "SEND" button at the bottom right.

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FIG. 25



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FIG. 26

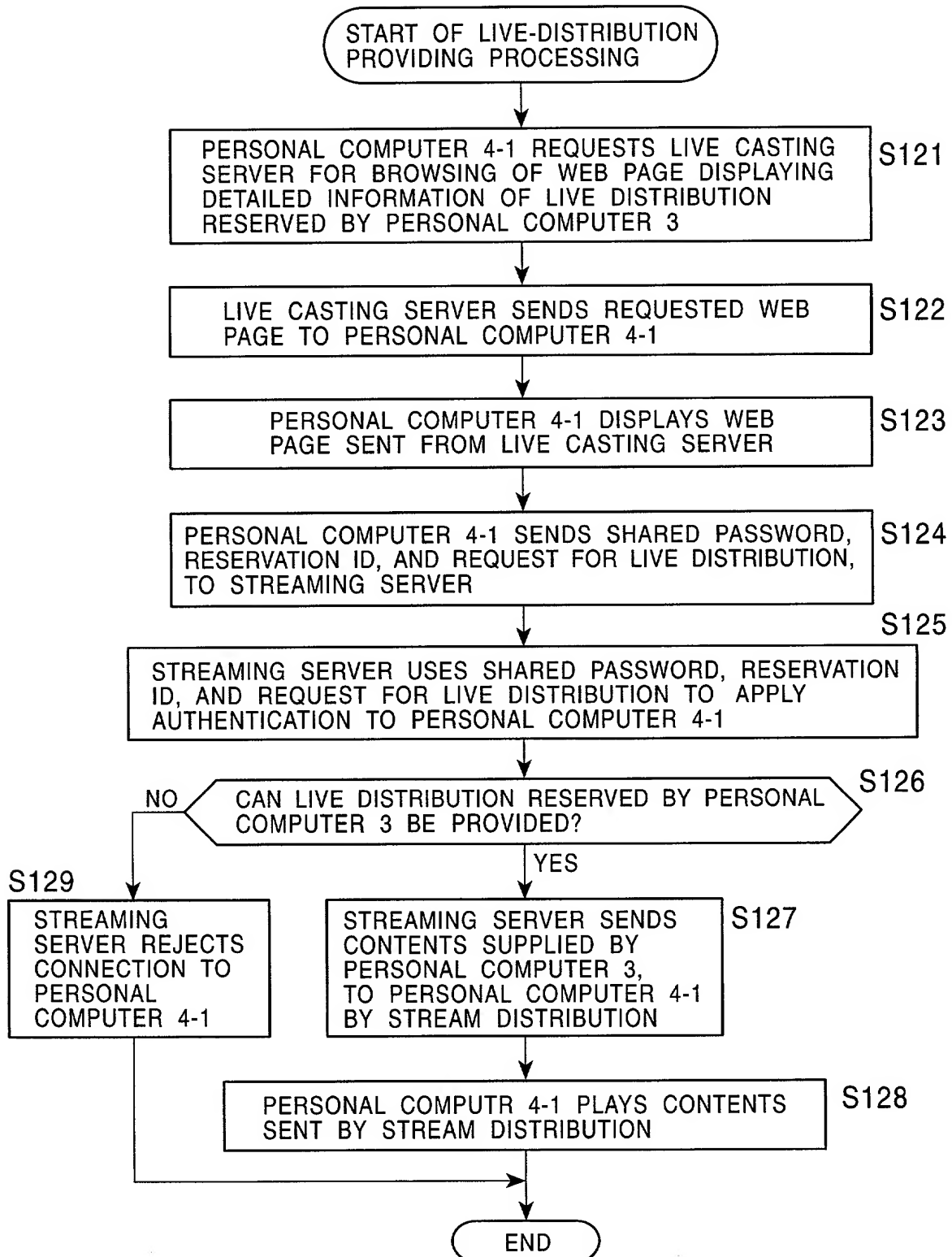
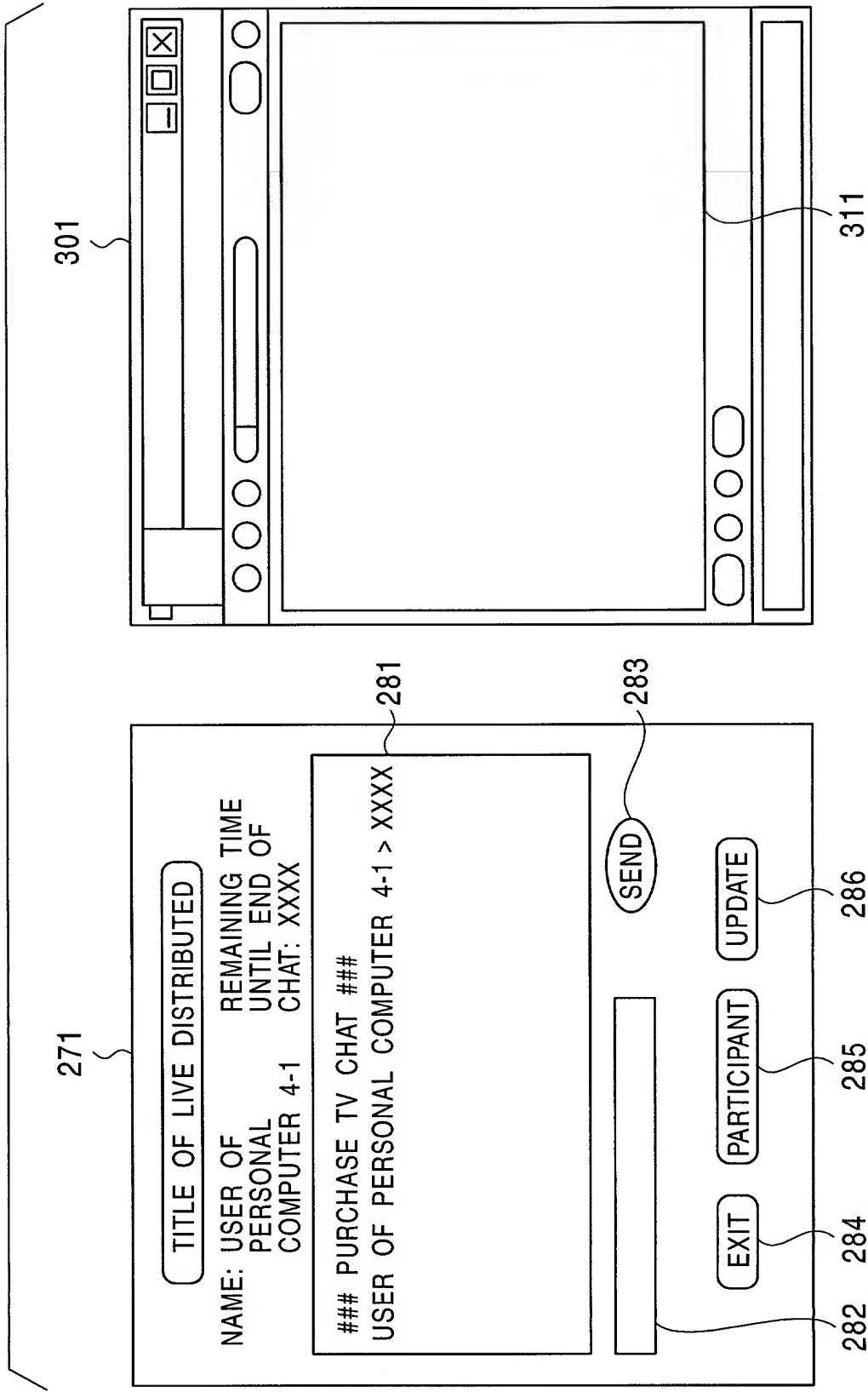
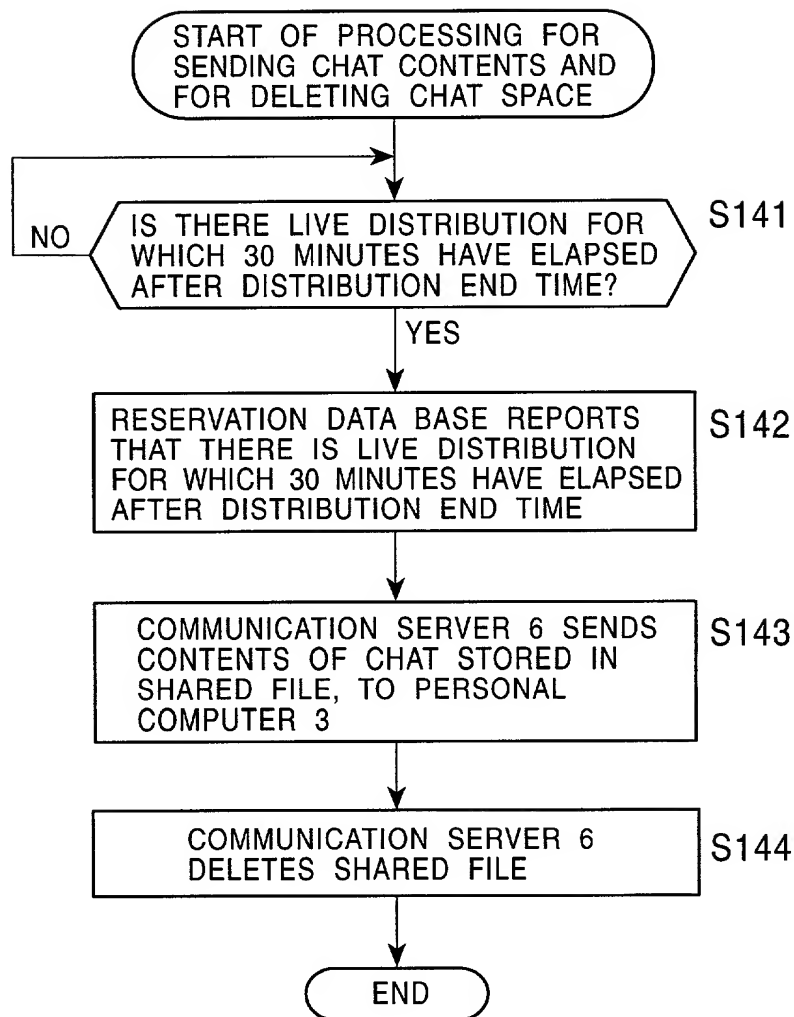


FIG. 27



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FIG. 28



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FIG. 29

LOG-IN SCREEN

NAME

SELF INTRODUCTION

SHARED PASSWORD

ENTER

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FIG. 30

